Application No.: 10/753,205 Filing Date: January 6, 2004

Title: Apparatus and Methods for Closed-Loop Intracranial Stimulation
for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503

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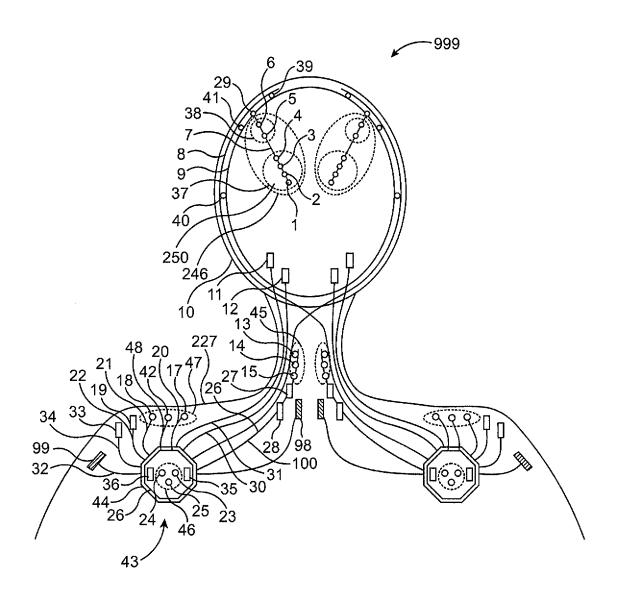


FIG. 1

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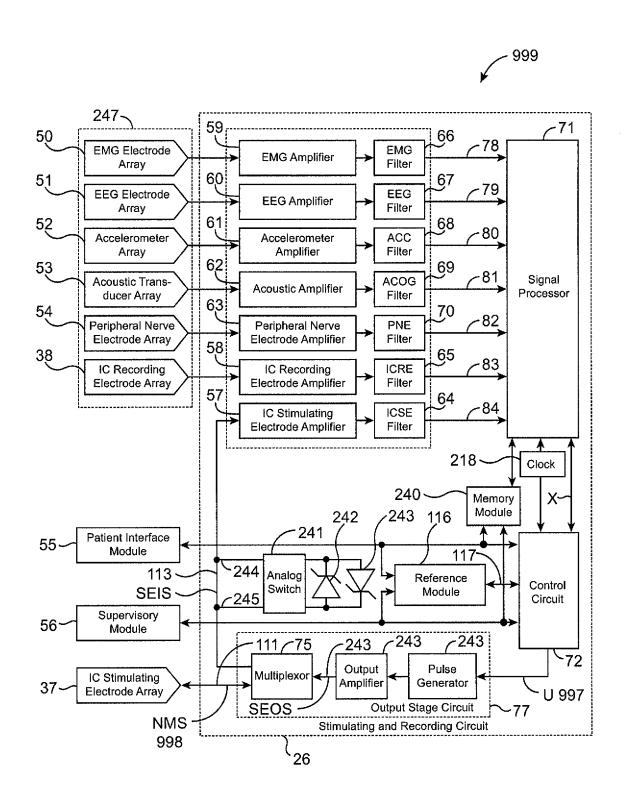


FIG. 2

Application No.: 10/753,205 Filing Date: January 6, 2004 Title: Apparatus and Methods for Closed-Loop Intracranial Stimulation

for Optimal Control of Neurological Disease
John DiLorenzo Docket No.: 10003-704.503 Inventor: Daniel John DiLorenzo Docket No.:

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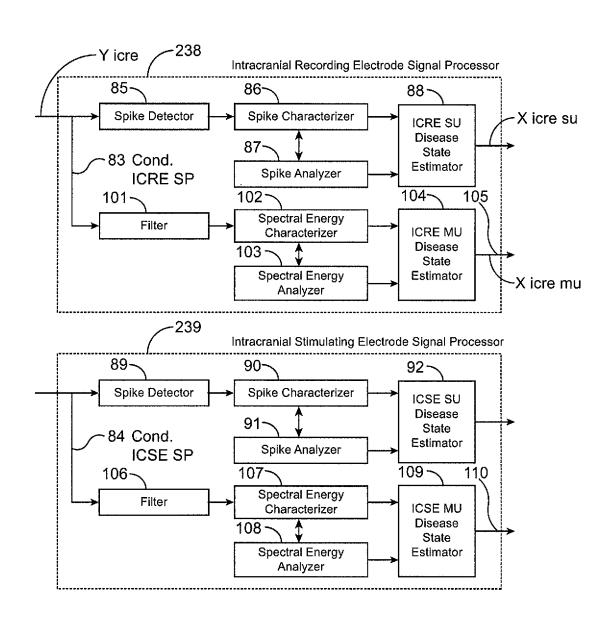


FIG. 3

Application No.: 10/753,205 Filing Date: January 6, 2004
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for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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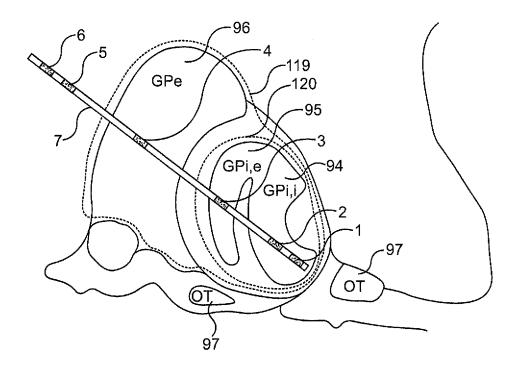
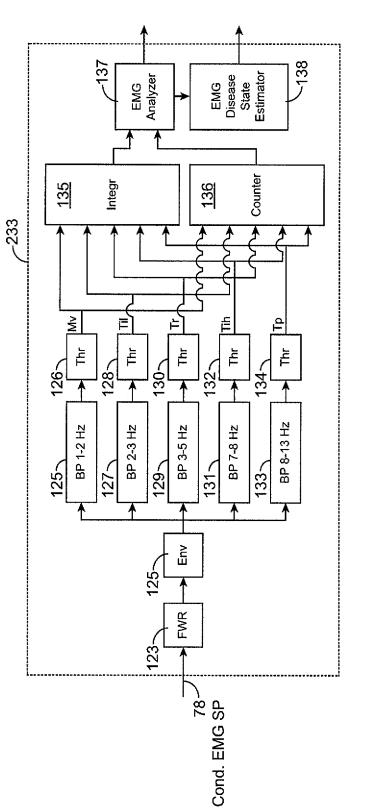
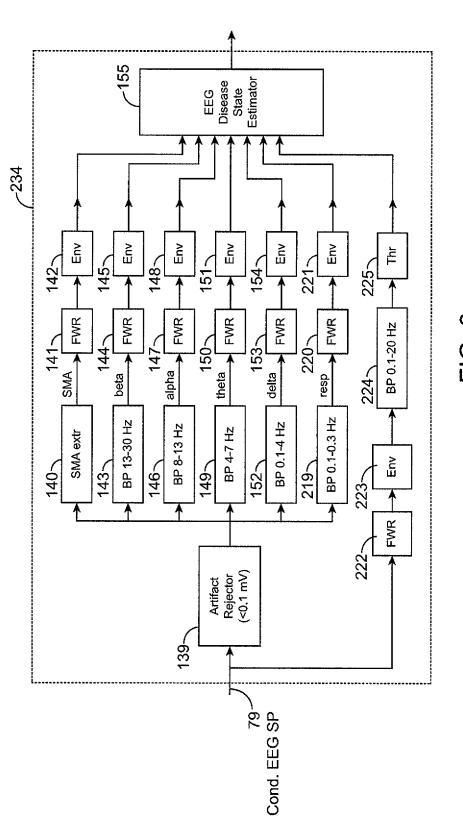


FIG. 4

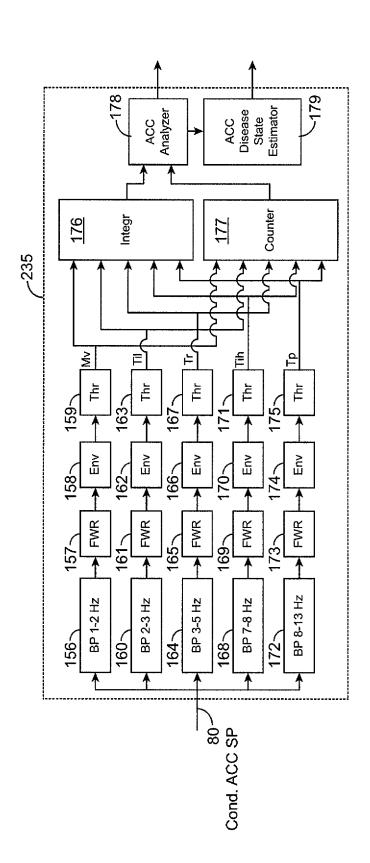
Application No.: 10/753,205 Filing Date: January 6, 2004
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Inventor: Daniel John DiLorenzo

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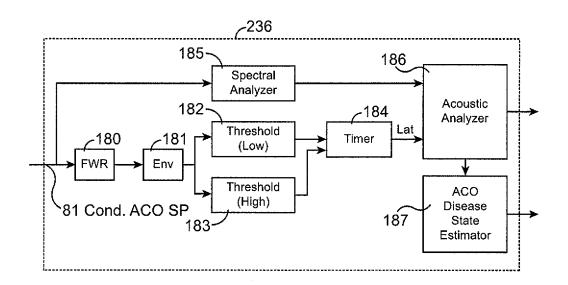


FIG. 8

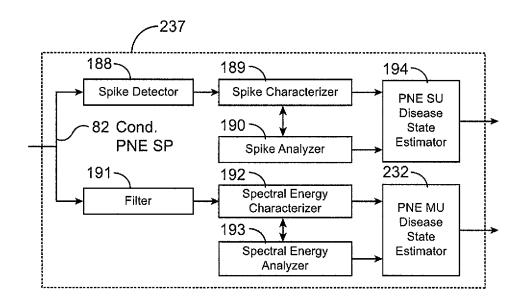


FIG. 9

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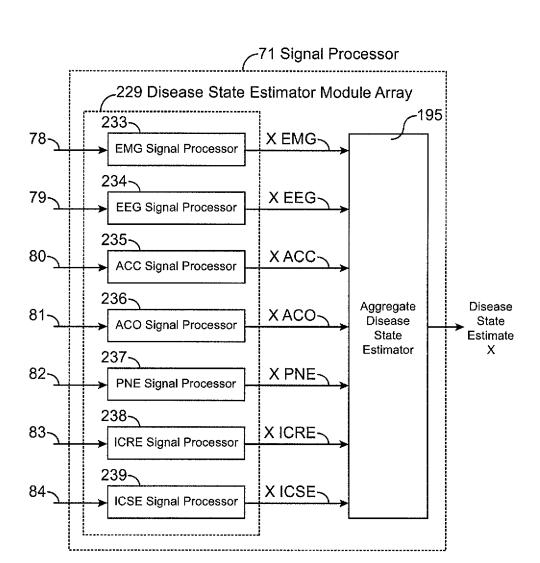
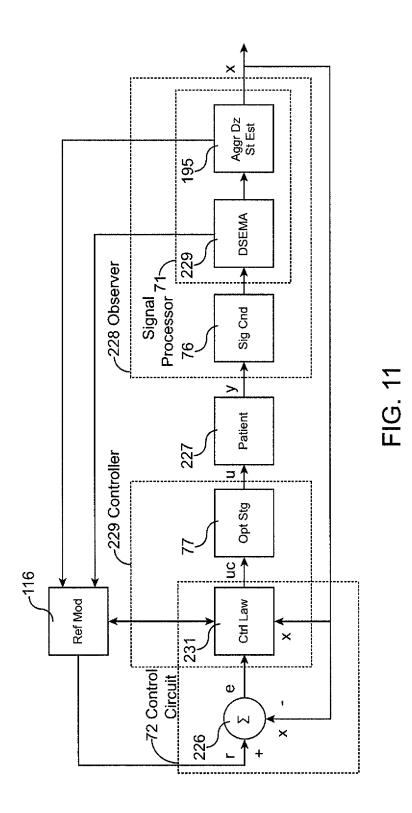


FIG. 10

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Inventor: Daniel John DiLorenzo

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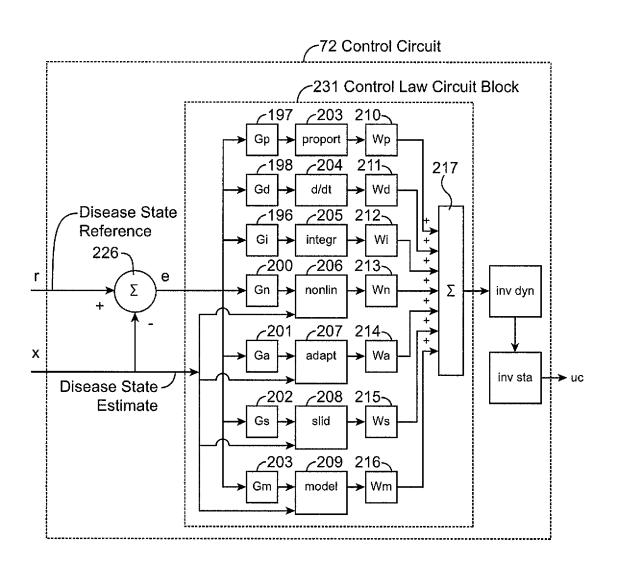


FIG. 12

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for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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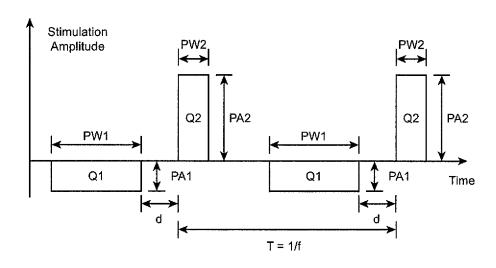


FIG. 13

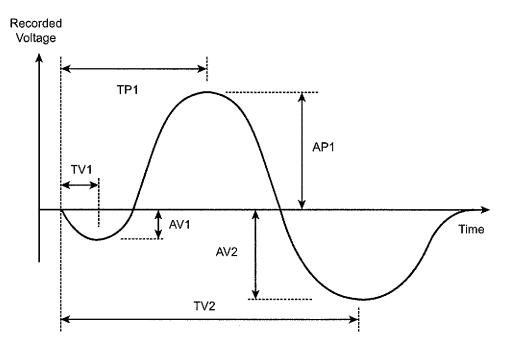


FIG. 14

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for Optimal Control of Neurological Disease
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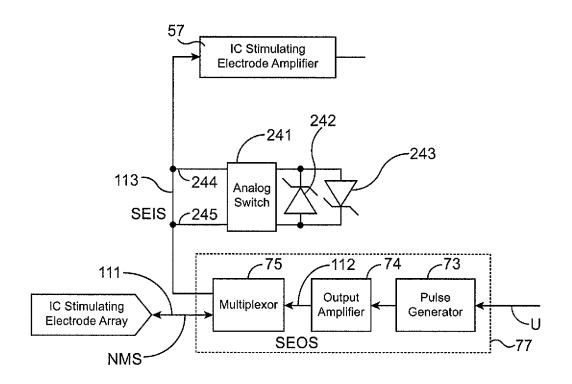


FIG. 15

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for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704,503
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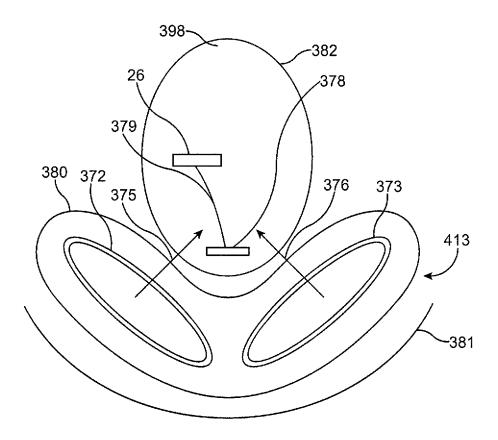


FIG. 16

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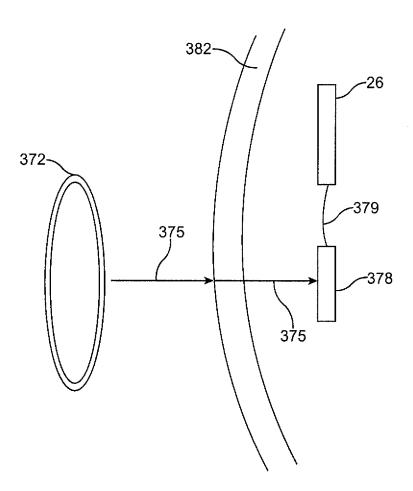


FIG. 17

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for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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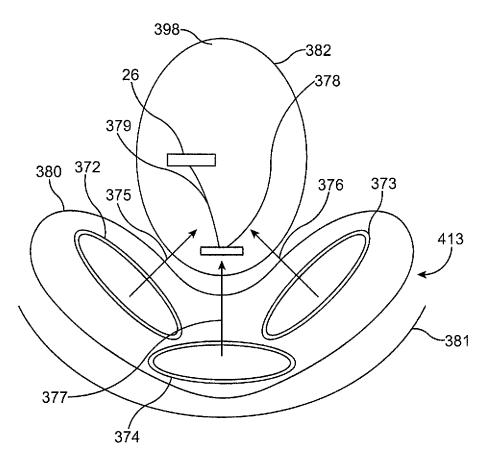


FIG. 18

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for Optimal Control of Neurological Disease
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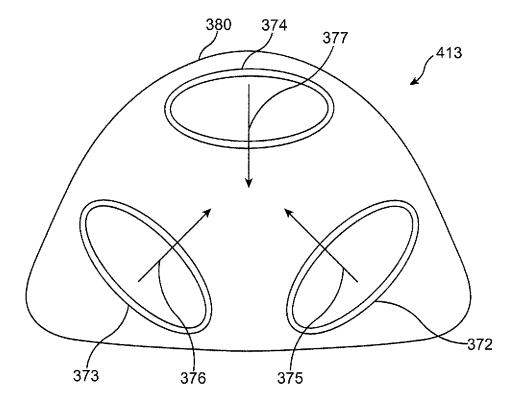


FIG. 19

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for Optimal Control of Neurological Disease
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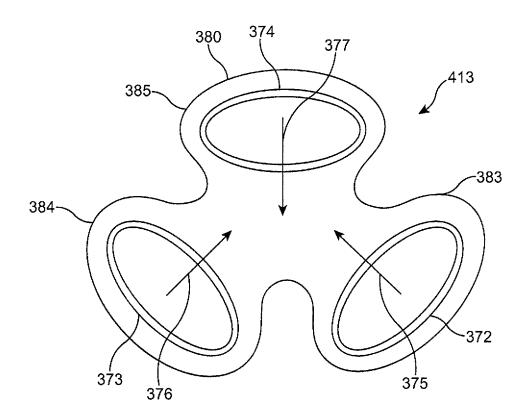


FIG. 20

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for Optimal Control of Neurological Disease
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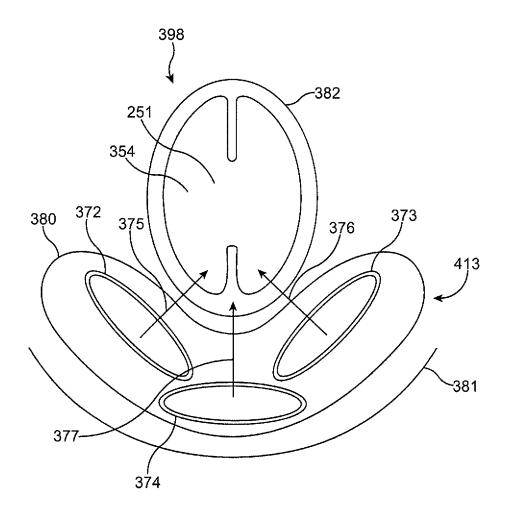


FIG. 21

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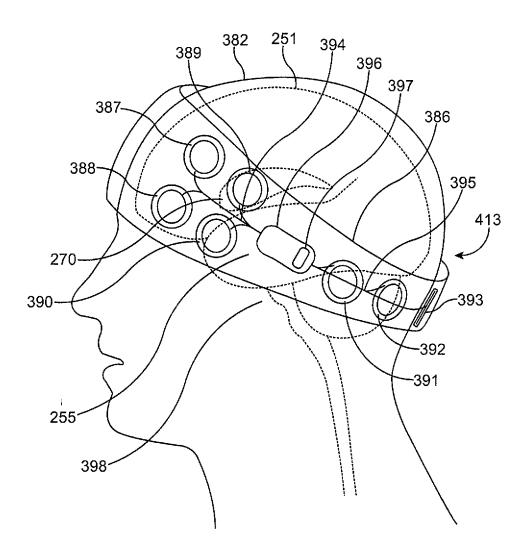


FIG. 22

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for Optimal Control of Neurological Disease
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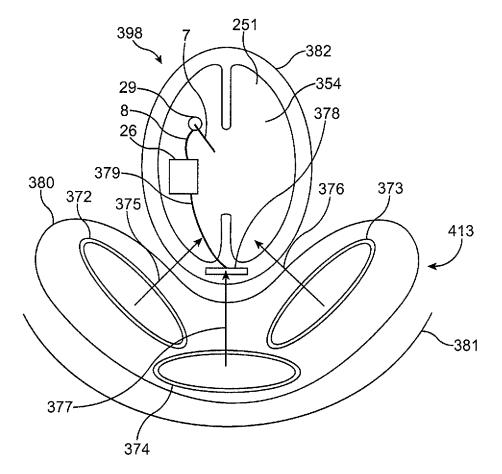


FIG. 23

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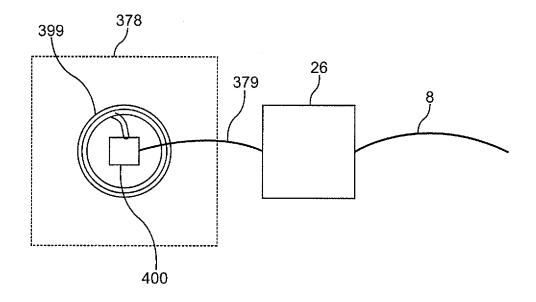


FIG. 24

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for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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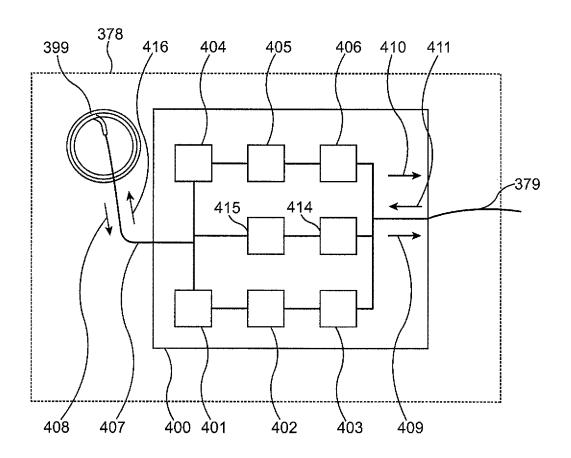
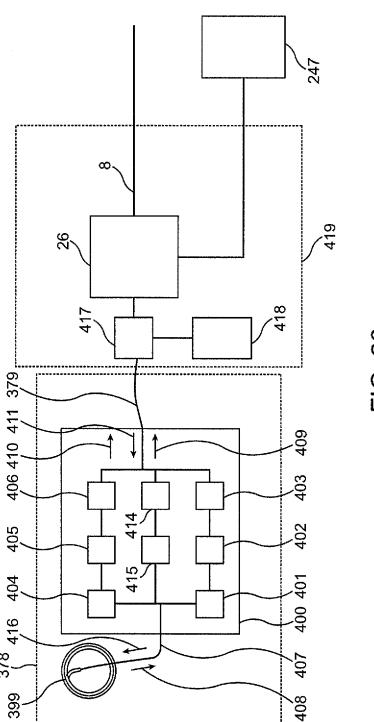


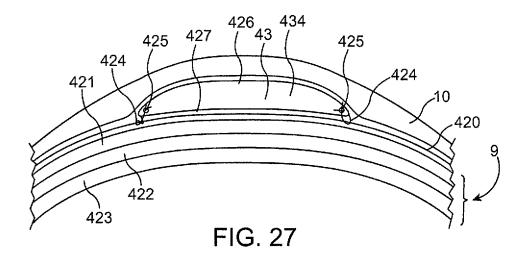
FIG. 25

Application No.: 10/753,205 Filing Date: January 6, 2004
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for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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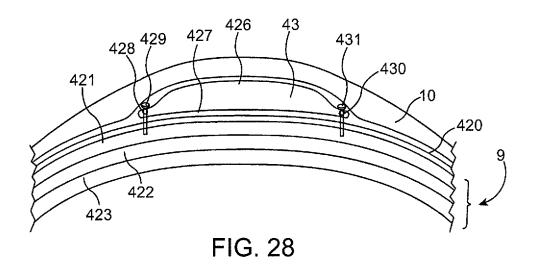




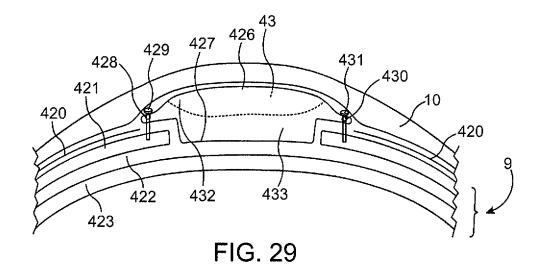
Application No.: 10/753,205 Filing Date: January 6, 2004
Title: Apparatus and Methods for Closed-Loop Intracranial Stimulation
for Optimal Control of Neurological Disease
Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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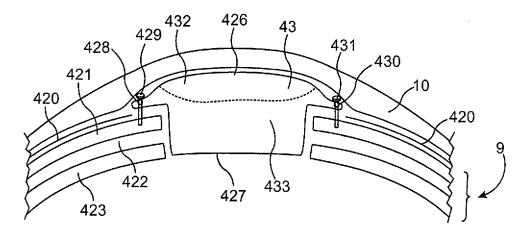


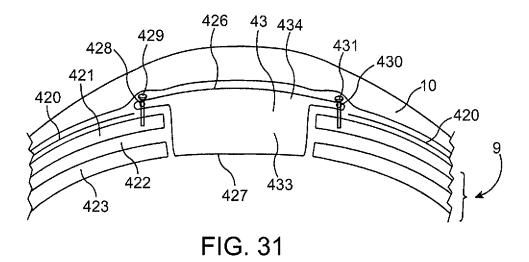
FIG. 30

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Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503

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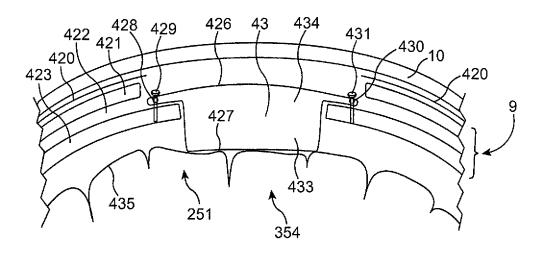


FIG. 32

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for Optimal Control of Neurological Disease
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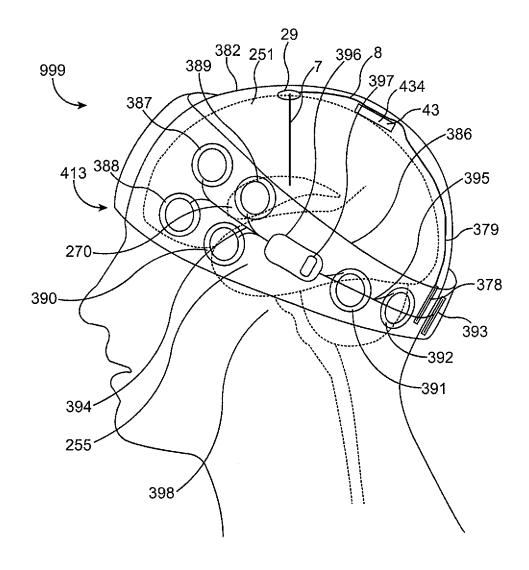


FIG. 33

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Inventor: Daniel John DiLorenzo Docket No.: 10003-704.503
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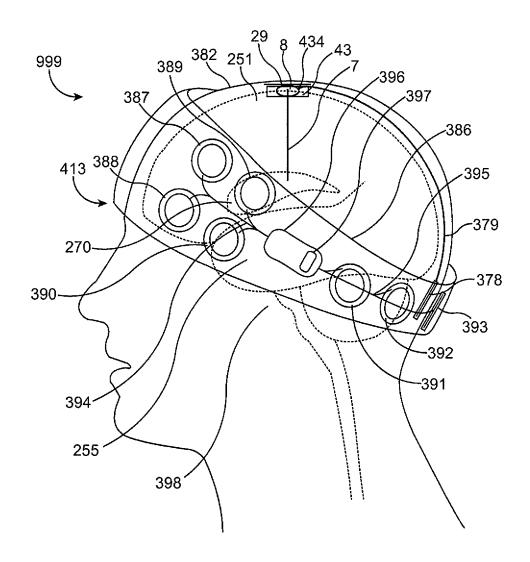


FIG. 34

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FIG. 35

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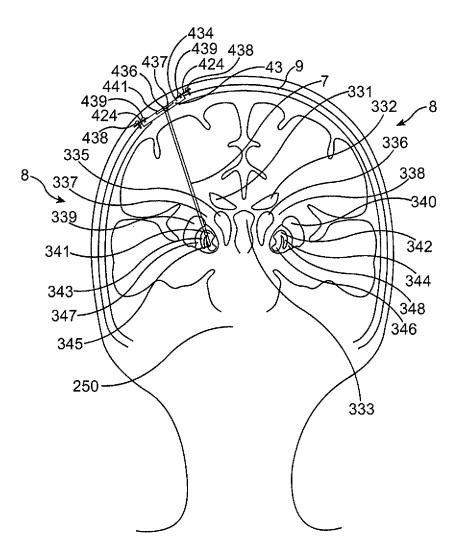


FIG. 36

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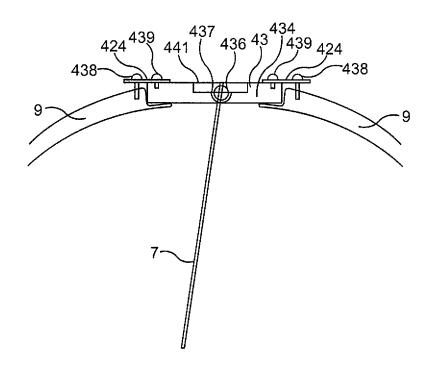


FIG. 37

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for Optimal Control of Neurological Disease
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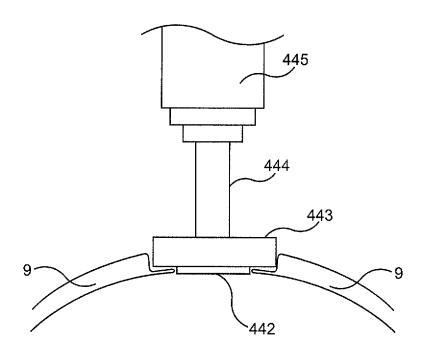


FIG. 38

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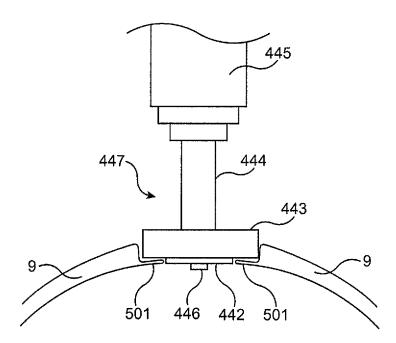


FIG. 39

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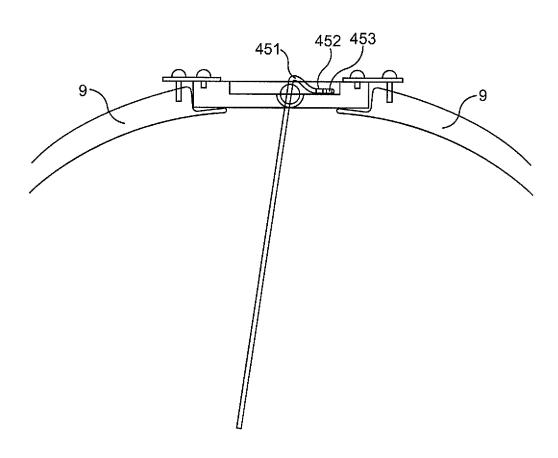


FIG. 40

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for Optimal Control of Neurological Disease
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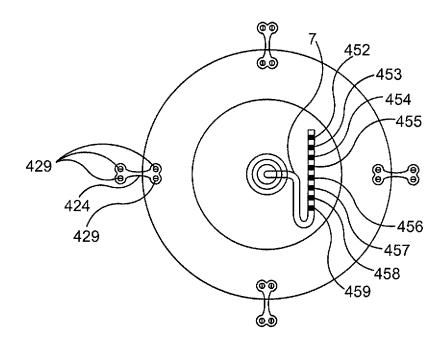


FIG. 41

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Inventor: Daniel John DiLorenzo Docket No.: 10003-704,503
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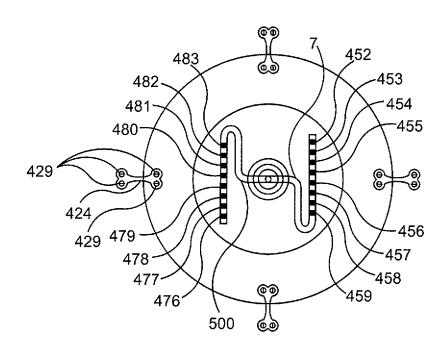


FIG. 42

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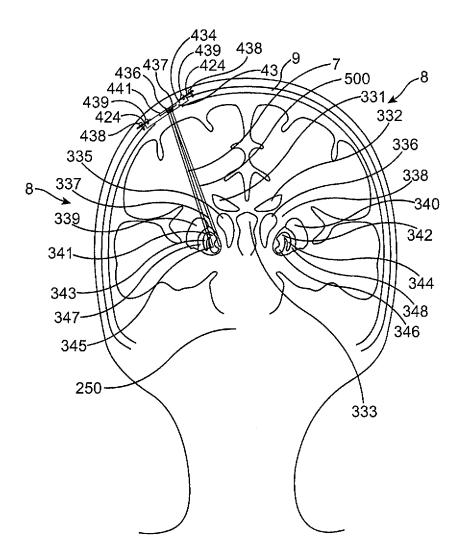


FIG. 43

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2 21 42 513 99-´98 100 

FIG. 44